

The above amendments to the specification are being made to correct typographical errors and to make the sentence consistent with the disclosure. See, Applicants' specification at page 14 line 26 through page 15 line 6. No new matter is being added by these amendments.

In the Claims

Applicants request entering the below amendments to the claims. 2, 7, 8 & 9 are amended, and claims 10-35 have been added. For the PTO's convenience, claims that remain unchanged are included below in order to allow the Examiner to review all pending claims from this response in their numerical order.

2. (Three Times Amended) A method of signal processing in a network, said method comprising the steps of:
 - transmitting a first signal to at least one of a plurality of stations;
 - controlling a transmitter station in said network on the basis of said first signal, including:
 - (1) selecting mass medium programming;
 - (2) selecting data and incorporating said selected data into one or more control instructions; and
 - (3) transmitting one or more second signals containing said mass medium programming and said one or more control instructions;
 - controlling a first receiver station in said network on the basis of said transmitted one or more second signals, including:
 - (1) communicating data contained in said one or more second signals to a processor;
 - (2) selecting at least some of said data to complete or supplement said mass medium programming;

(3) storing said least some of said data; and
([3]4) presenting at one or more output devices said mass medium programming and first output information content, said first output information content serving to complete or supplement said mass medium programming and being based on said at least some of said data;

controlling said first or a second receiver station on the basis of said transmitted one or more second signals, including:

- (1) inputting information of the reaction of a subscriber to a presentation of at least one of said mass medium programming and data contained in said one or more second signals;
- (2) generating second output information content by processing said inputted information of the reaction of a subscriber; and
- (3) outputting said generated second output information content.

3. (Unchanged) The method of claim 2, wherein said step of outputting said second output information content is to a transmitter at said first or said second receiver station, said method further comprising the step of transmitting said generated output information content to a remote receiver station.

4. (Unchanged) The method of claim 2, wherein said step of outputting said second output information content is to a user, said method further having at least one step from the group consisting of:

displaying said generated second output information content at a video monitor;

emitting audio on the basis of said generated second output information content; and

printing said generated second output information content.

5. (Unchanged) A method of processing signals in a network, comprising the steps of:

- (1) receiving a first signal at a transmitter station;
- (2) selecting mass medium programming in response to said step of receiving;
- (3) selecting data and incorporating said selected data into one or more control instructions effective to cause one or more receiver stations to:
 - (a) store, a first time, said data transmitted from said transmitter station,
 - (b) select and store, a second time, at least some of said data which is effective to complete or supplement said mass medium programming,
 - (c) present at one or more output devices said mass medium programming and first output information content based on said data stored a second time in order to complete or supplement said mass medium programming,
 - (d) input a reaction of a subscriber to said presentation,
 - (e) generate second output information content by processing said inputted reaction, and
 - (f) output said generated second output information content; and
- (4) transmitting one or more second signals containing said mass medium programming and said one or more control instructions.

6. (Unchanged) A method of processing signals in a network, comprising the steps of:

- (1) receiving a first signal at a transmission station;

- (2) generating one or more second signals in response to said first signal, said second signals containing mass medium programming and one or more control instructions which are effective at one or more receiver stations to:
- (a) present said mass medium programming and first output information content which is effective to complete or supplement said mass medium programming, and
- (b) output second information content based on a subscriber reaction to a presentation of at least one of said mass medium programming and said first output information content; and
- (3) transmitting said one or more second signals.

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X (Twice Amended) A method of processing signals in a network, comprising the steps of:

- (1) receiving, at a receiver station, one or more signals containing mass medium programming and one or more control instructions; and
- (2) processing said one or more signals to present at one or more output devices said mass medium programming and some first information content to complete or supplement said mass medium programming, and to generate second information content based on a subscriber reaction to at least one of said mass medium programming and said first information content.

8. (Twice Amended) A method of processing signals in a network, comprising the steps of:

- (1) receiving a first signal;
- (2) receiving an instruct signal which is effective to cause a transmission station to incorporate information into one or more second signals based on said first signal, said second signals containing mass medium

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~~programming and one or more control instructions which are effective to (i) enable a receiver station to present said mass medium programming and first output information content which supplements or completes said mass medium programming, and [(ii)] to (ii) output second information content based on a subscriber reaction to said presentation of at least one of said mass medium programming and said first output information content;~~

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~~(3) receiving a transmitter control signal which operates at said transmitter station to communicate said one or more second signals to a transmitter; and~~

~~(4) transmitting said one or more second signals and said transmitter control signal.~~

9. (Twice Amended) A method of enabling a television or radio programming storage device to deliver programming, said storage device comprising one or more storage locations capable of storing television or radio programming, a transmission device capable of communicating television or radio programming to or from said one or more storage locations, and a processor capable of controlling at least one of said transmission device and at least one of said one or more storage locations to receive, store, or communicate television or radio programming, comprising the steps of:

receiving a signal containing television or radio programming, said television or radio programming having an identification datum and a programming element which is incomplete as regards a class of data;

communicating said signal containing television or radio programming to at least one of said one or more storage locations;

storing said signal containing television or radio programming at said at least one of said one or more storage locations; and

storing one of an intermediate generation set and a program instruction set at said television or radio programming storage device, said one of an intermediate generation set and a program instruction set including at least some portion of a control signal which designates at least one of said incomplete programming element and said class of data and which upon command is operative to complete said incomplete programming element,

whereby said television or radio programming storage device is enabled to deliver a complete programming presentation based on user input.

Please add the following new claims.

-- 10. (New Claim) The method of claim 9, wherein said class of data designates programming distributor data, said method further comprising the step of:

receiving and storing said programming distributor data.

11. (New Claim) The method of claim 9, wherein said class of data designates subscriber data, said method further comprising the step of:

receiving and storing said subscriber data.

12. (New Claim) The method of claim 9, wherein said control signal comprises sequentially transmitted control instructions, said method further comprising the step of:

receiving and storing in said control signal at least two control instructions in a specific order with information designating a time period.

13. (New Claim) The method of claim 12, wherein said sequentially transmitted control instructions comprise a message stream, said method further comprising the step of:

receiving and storing instructions which are effective to instruct said processor to process at least one message of said message stream.

14. (New Claim) The method of claim 9, wherein said one of said intermediate generation set and said program instruction set operates to generate said control signal by processing information of said class of data, said method further comprising the step of:

receiving and storing generally applicable information of said control signal.

15. (New Claim) The method of claim 14, wherein said generally applicable information of said control signal comprise at least some of a processor instruction, said method further comprising the step of:

receiving and storing one of assembly language code and a signal word to be assembled.

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16. (New Claim) The method of claim 14, wherein said generally applicable information of said control signal comprise higher language code and said one of said intermediate generation set and said program instruction set operates to generate said control signal by completing a module containing said higher language code, said method further comprising the step of:

receiving and storing instructions which operate to perform one of the functions of compiling and linking said one of said module and said higher language code.

17. (New Claim) The method of claim 9, wherein in response to a specific control instruction said processor is organized to generate a user specific datum as part of a series of user specific data, and a processor interrupt signal is inputted to said processor to enable the communication of at least one specific user specific datum to an output device at a specific time, said method further comprising the step of:

receiving and storing at least some of said specific control instruction and said interrupt signal.

18. (New Claim) The method of claim 17, wherein said interrupt signal is inputted to said processor in response to a first control instruction and said interrupt signal causes said processor to clear a specific memory location and place said generated user specific datum at the specific memory location to form a subsequent output, said method further comprises the step of:

receiving and storing said first control instruction.

19. (New Claim) The method of claim 18, wherein a second control instruction causes said processor to cease communicating at least one receiver specific datum to said output device and to commence generating said series of user specific data, said method further comprising the step of:

receiving and storing said second control instruction.

20. (New Claim) The method of claim 9, wherein a control program causes a controller operatively connected to said storage device to control at least one peripheral device, said method further comprising the step of:

receiving and storing said control program.

21. (New Claim) The method of claim 9, wherein a user specific datum is placed at a memory location operatively connected to said processor and is not automatically communicated to an output device when placed at said memory location, said method further comprising the step of:

receiving and storing a control instruction which is effective to instruct the processor to output said memory location to said output device.

22. (New Claim) The method of claim 9, wherein said storage device comprises a memory and wherein said television or radio programming and said one of said intermediate generation set and said program instruction set are stored on said memory.

23. (New Claim) The method of claim 9, wherein said storage device comprises a network.

24. (New Claim) The method of claim 23, wherein said user input is communicated to a transmission station in said network.

25. (New Claim) The method of claim 23, wherein said user input is received at an ultimate receiver station in said network.

26. (New Claim) The method of claim 9, wherein said storage device comprises a transmitter station.

27. (New Claim) The method of claim 26, wherein said user input includes a schedule, said method further comprising the step of storing said schedule.

28. (New Claim) The method of claim 26, further comprising the step of detecting said user input in one of a television signal and a radio signal.

29. (New Claim) The method of claim 26, further comprising the step of detecting said user input in a signal received from a satellite.

30. (New Claim) The method of claim 26, further comprising the step of detecting said user input in a telephone signal.

31. (New Claim) The method of claim 9, wherein said step of receiving comprises tuning.

32. (New Claim) The method of claim 9, wherein said step of communicating is performed by one of a computer and a switch.

33. (New Claim) The method of claim 7, wherein said step of processing is performed in accordance with said one or more control signals, said method further comprising the step of communicating said control instructions to a processor.

34. (New Claim) The method of claim 7, wherein said mass medium programming comprises audio, said method further comprising the step of